

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007571.D
 Acq On : 15 Sep 2018 17:59
 Operator : SY/MD
 Sample : J4887-20
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0KS8

Quant Time: Sep 17 01:47:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 01:45:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	118761	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	105766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26272	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.59	69	24575	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.14	63	73113	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.20%
20) 2-Butanone-d5	3.97	46	42069	48.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.41	84	58796	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.09	65	30678	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.10	84	118649	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.13	67	34912	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	121644	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.67	79	13687	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.15	63	20942	39.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.28%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22981	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	51054	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
8) Chloroethane	1.32	64	427	0.112 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	957	0.143 ug/L #	52
12) 1,1-Dichloroethene	2.14	96	55695	9.240 ug/L	82
13) Acetone	2.22	43	982	1.738 ug/L	66
19) 1,1-Dichloroethane	3.23	63	1156	0.121 ug/L #	72
22) cis-1,2-Dichloroethene	3.97	96	11254	1.741 ug/L	91
25) Chloroform	4.44	83	3506	0.321 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	16156	1.571 ug/L	98
31) Carbon tetrachloride	4.66	117	2076	0.215 ug/L	97
34) Trichloroethene	5.96	95	2409	0.360 ug/L	92
35) Methylcyclohexane	6.13	83	8711	0.842 ug/L #	32
37) 1,2-Dichloropropane	6.13	63	4273	0.794 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1282	0.150 ug/L #	76
44) trans-1,3-Dichloropropene	7.67	75	564	0.080 ug/L #	47
45) 1,1,2-Trichloroethane	7.89	97	718	0.179 ug/L	86
48) 2-Hexanone	8.20	43	8369	3.710 ug/L #	45
69) Naphthalene	13.57	128	3356	0.356 ug/L #	95

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QLast Update : Mon Sep 17 01:45:59 2018
Response via : Initial Calibration

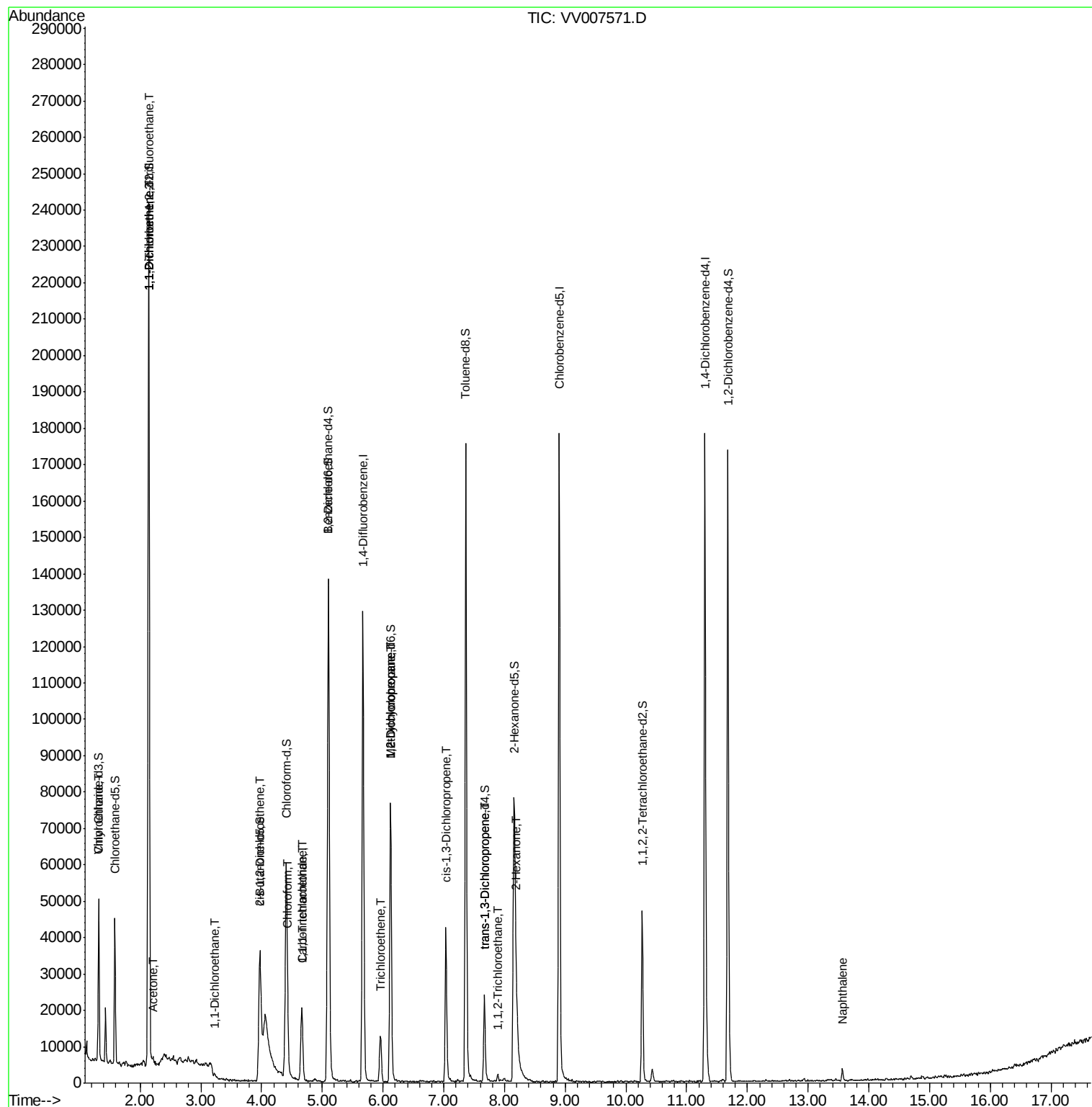
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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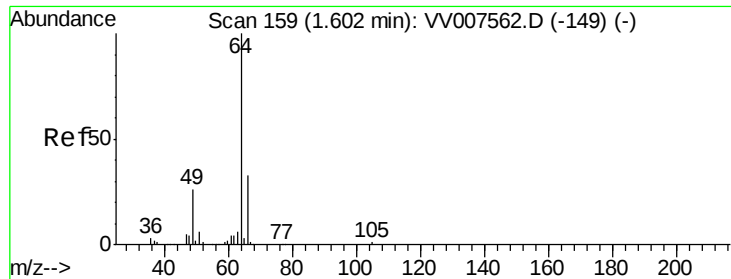
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.112 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV007571.D

Acq: 15 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampled :

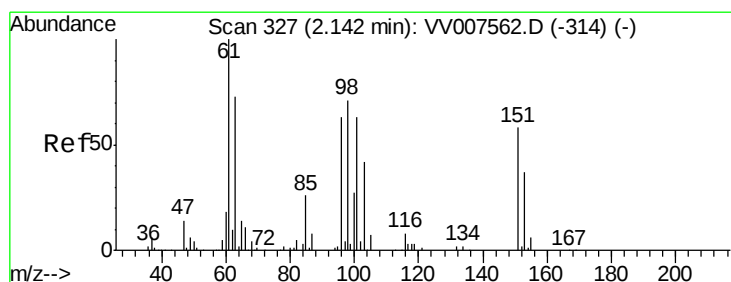
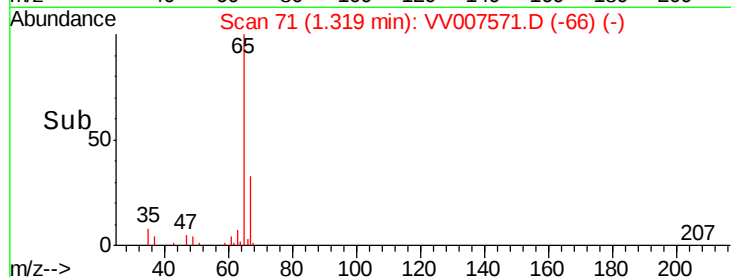
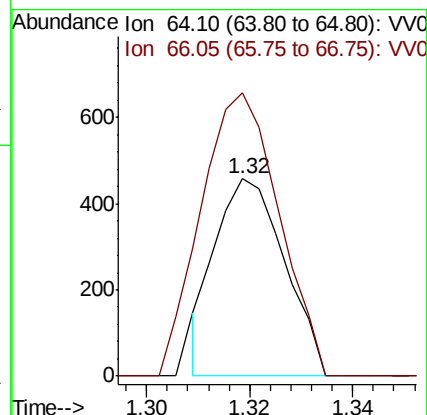
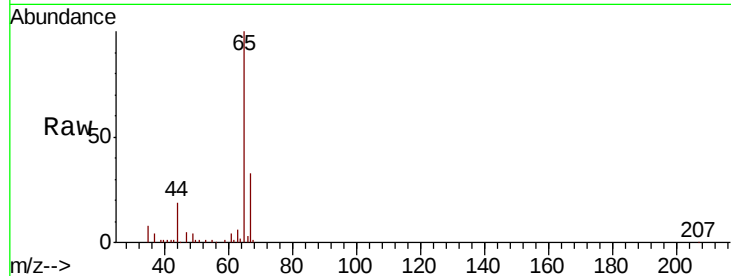
C0KS8

Tgt Ion: 64 Resp: 427

Ion Ratio Lower Upper

64 100

66 143.4 24.3 45.1#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.143 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007571.D

Acq: 15 Sep 2018 17:59

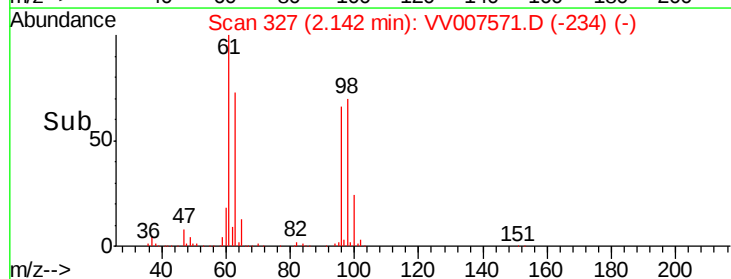
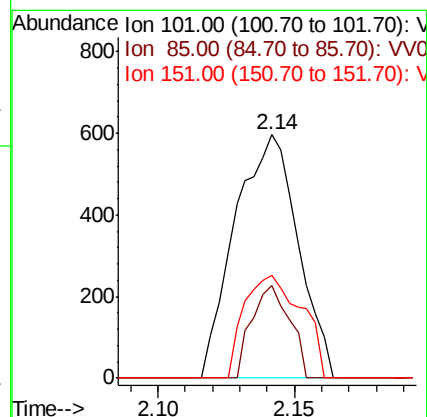
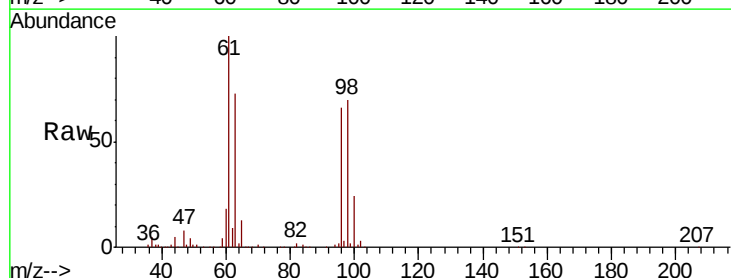
Tgt Ion: 101 Resp: 957

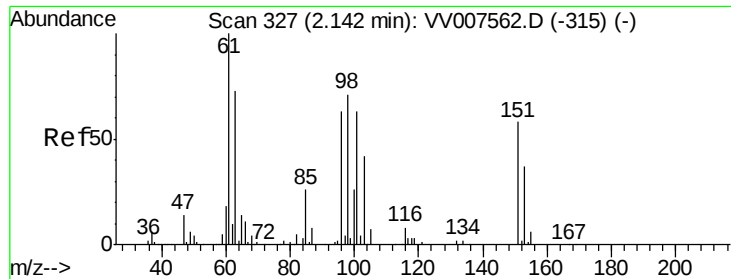
Ion Ratio Lower Upper

101 100

85 22.8 34.8 52.2#

151 38.5 72.6 109.0#

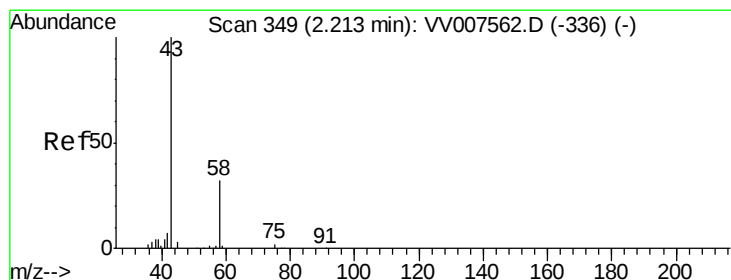
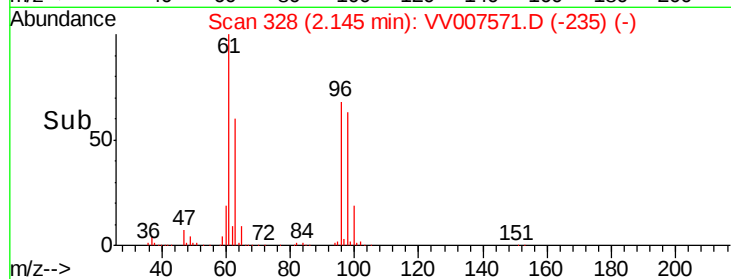
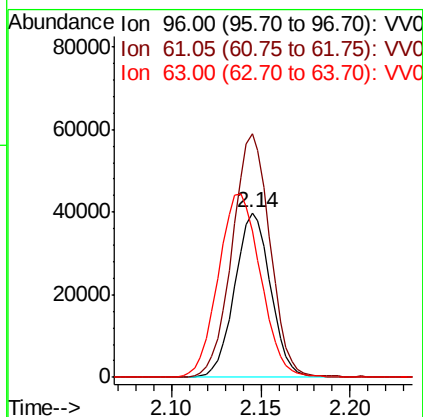
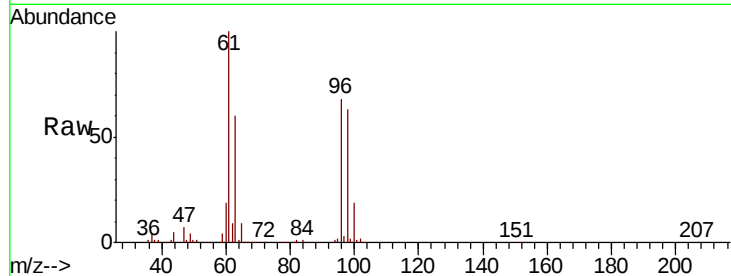




#12
 1,1-Dichloroethene
 Concen: 9.240 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

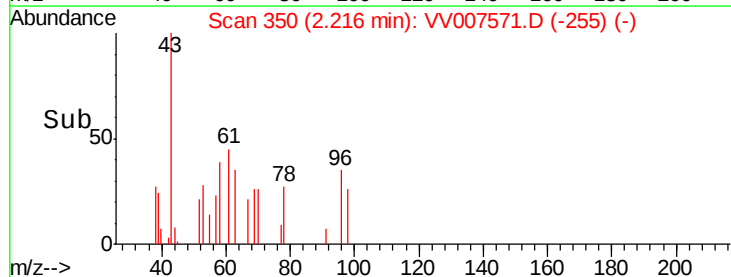
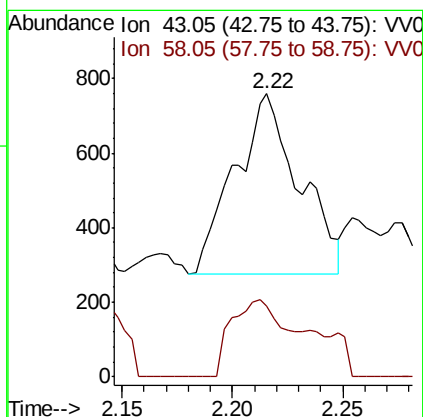
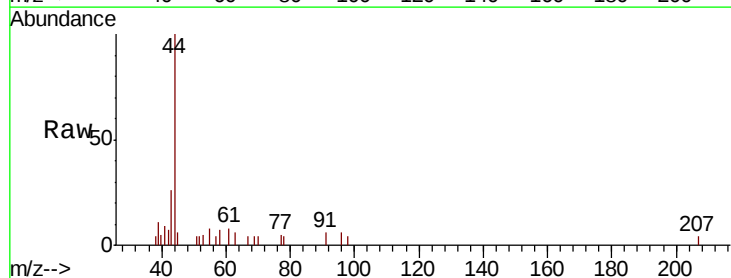
Instrument :
 MSVOA_W
 ClientSampled :
 C0KS8

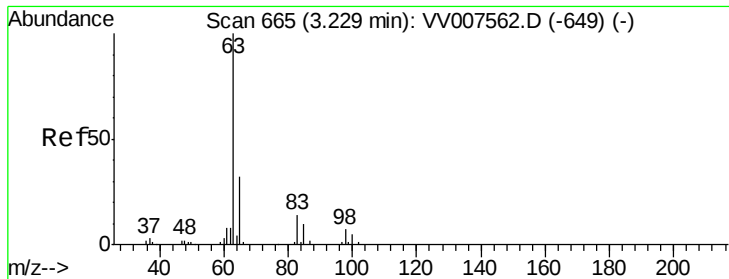
Tgt Ion: 96 Resp: 55695
 Ion Ratio Lower Upper
 96 100
 61 147.7 114.8 213.2
 63 88.5 81.8 151.8



#13
 Acetone
 Concen: 1.738 ug/L
 RT: 2.22 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

Tgt Ion: 43 Resp: 982
 Ion Ratio Lower Upper
 43 100
 58 50.3 0.0 63.4

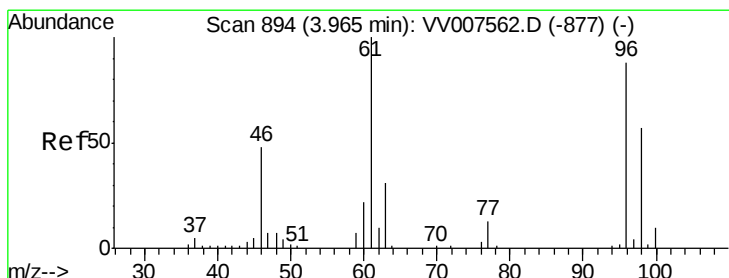
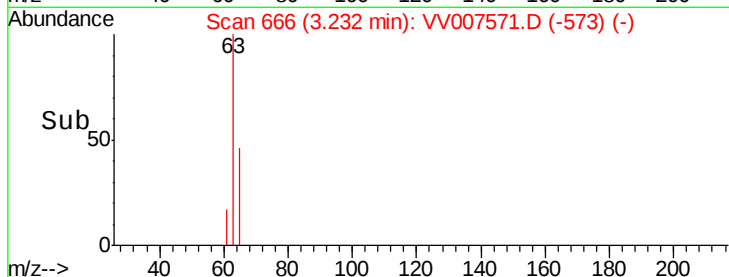
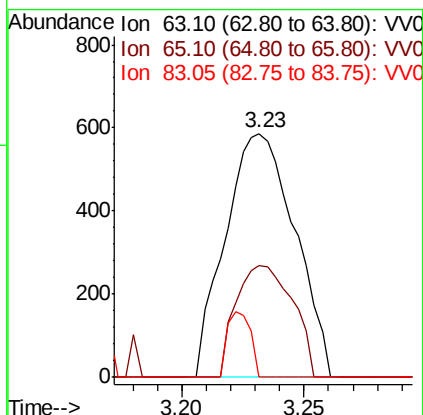
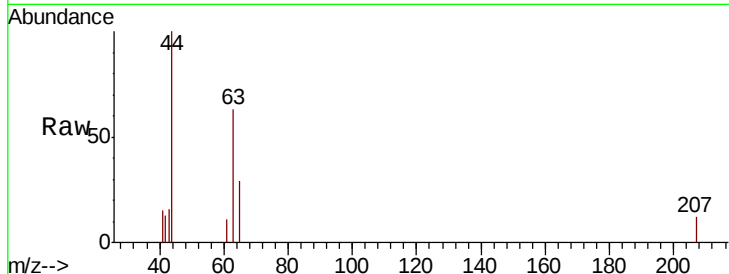




#19
 1,1-Dichloroethane
 Concen: 0.121 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

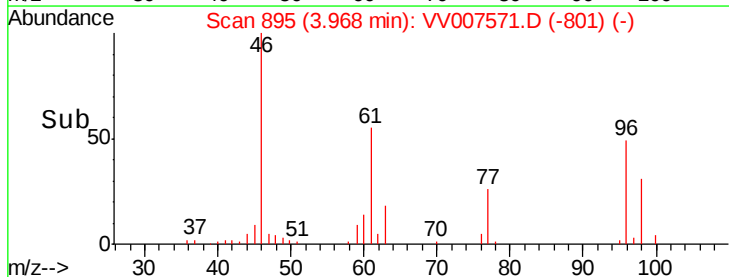
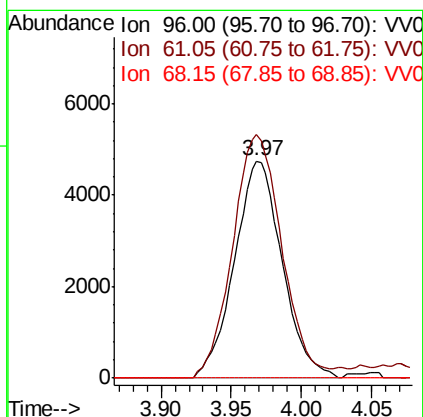
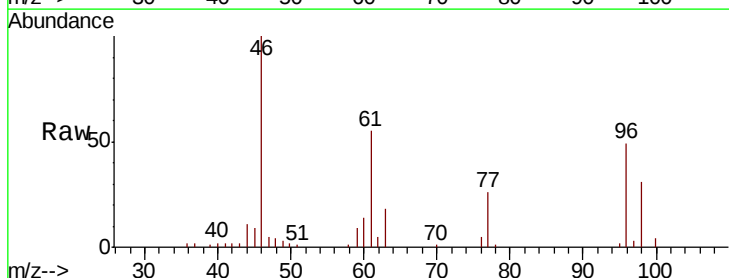
Instrument :
 MSVOA_W
 ClientSampleId :
 C0KS8

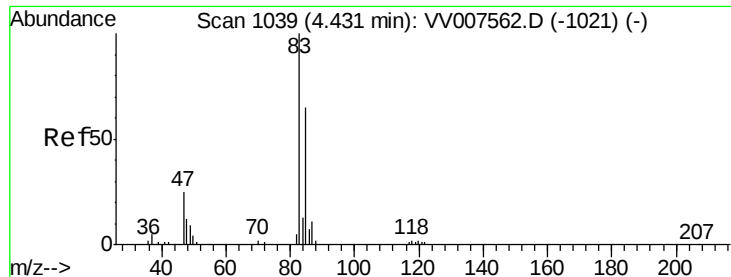
Tgt Ion: 63 Resp: 1156
 Ion Ratio Lower Upper
 63 100
 65 46.1 22.5 41.9#
 83 0.0 10.4 19.2#



#22
 cis-1,2-Dichloroethene
 Concen: 1.741 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

Tgt Ion: 96 Resp: 11254
 Ion Ratio Lower Upper
 96 100
 61 112.2 85.3 158.5
 68 0.0 0.0 0.0

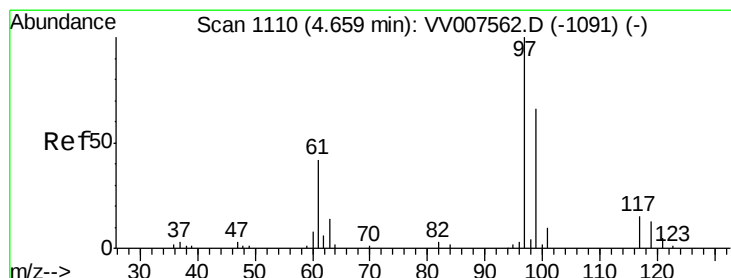
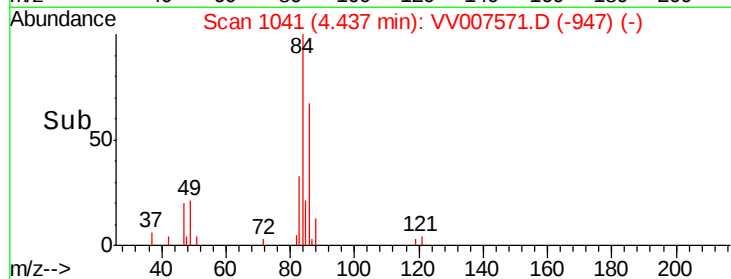
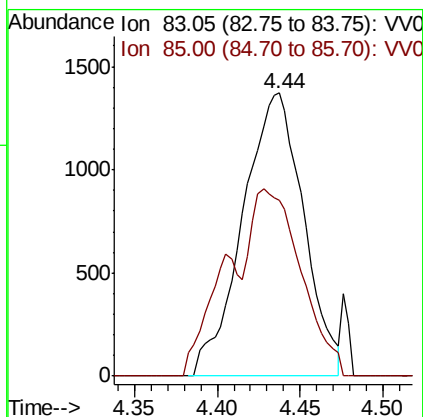
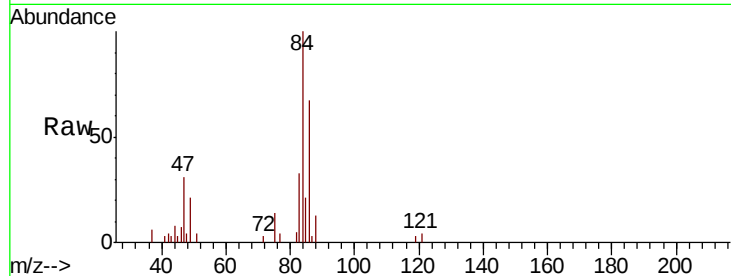




#25
Chloroform
Concen: 0.321 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007571.D
Acq: 15 Sep 2018 17:59

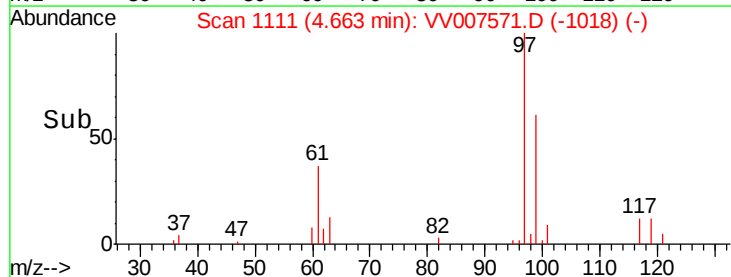
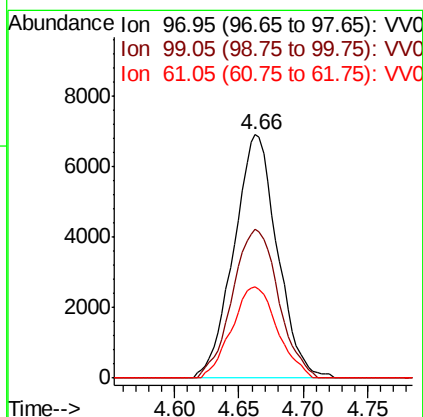
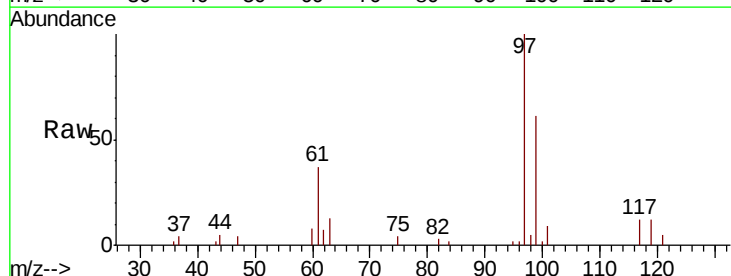
Instrument :
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ClientSampleId :
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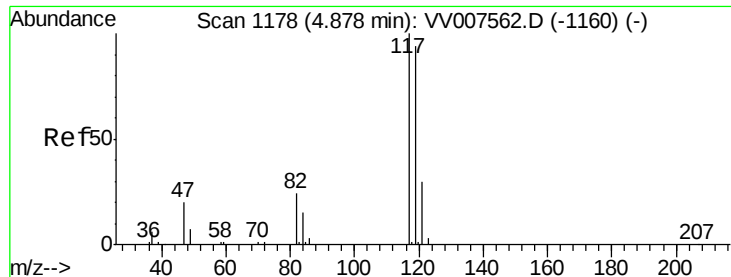
Tgt Ion: 83 Resp: 3506
Ion Ratio Lower Upper
83 100
85 62.2 45.5 84.5



#29
1,1,1-Trichloroethane
Concen: 1.571 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV007571.D
Acq: 15 Sep 2018 17:59

Tgt Ion: 97 Resp: 16156
Ion Ratio Lower Upper
97 100
99 64.7 50.7 76.1
61 39.2 32.5 48.7





#31

Carbon tetrachloride

Concen: 0.215 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.22 min

Lab File: VV007571.D

Acq: 15 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampled :

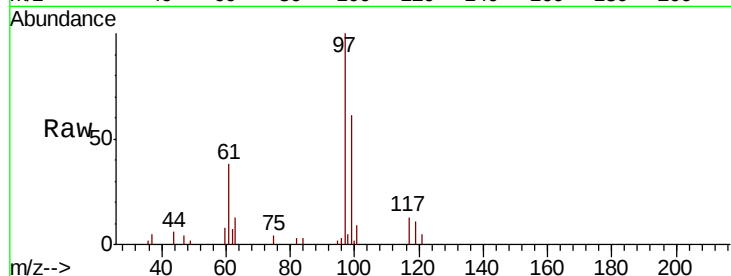
C0KS8

Tgt Ion: 117 Resp: 2076

Ion Ratio Lower Upper

117 100

119 99.8 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.66

800

600

400

200

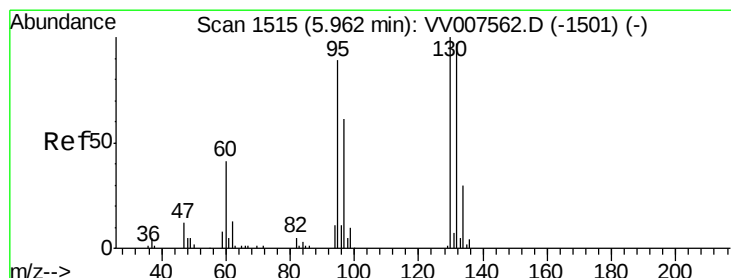
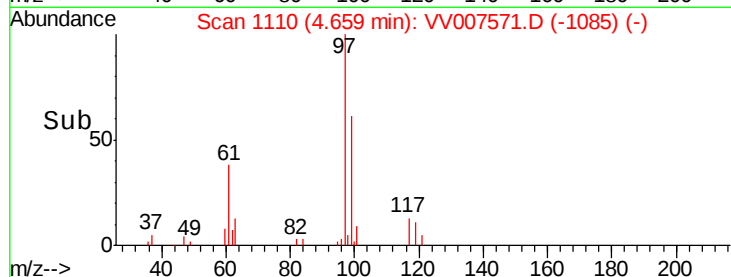
0

4.60

4.65

4.70

Time-->



#34

Trichloroethene

Concen: 0.360 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007571.D

Acq: 15 Sep 2018 17:59

Tgt Ion: 95 Resp: 2409

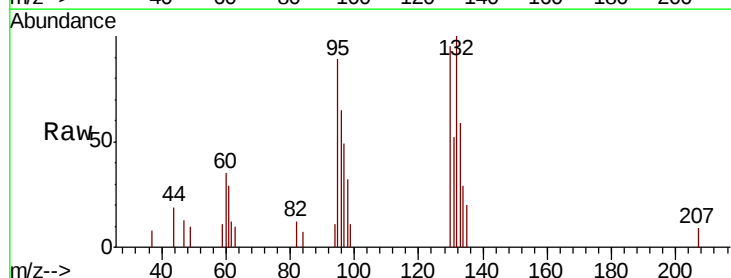
Ion Ratio Lower Upper

95 100

97 54.8 45.5 84.5

132 111.8 74.9 139.1

130 106.4 80.0 148.6



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

2000

1500

1000

500

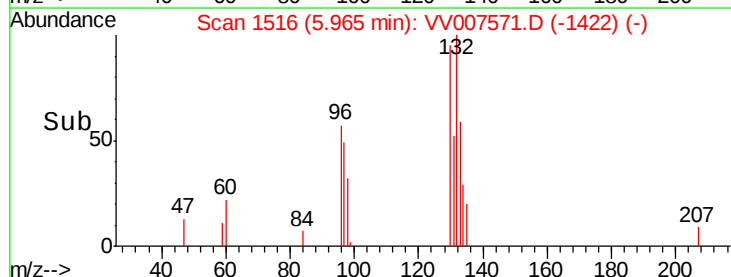
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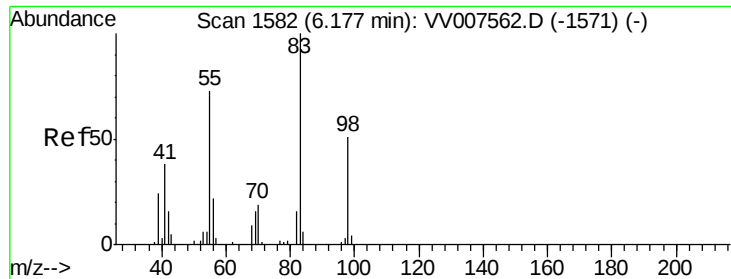
5.90

5.95

6.00

Time-->

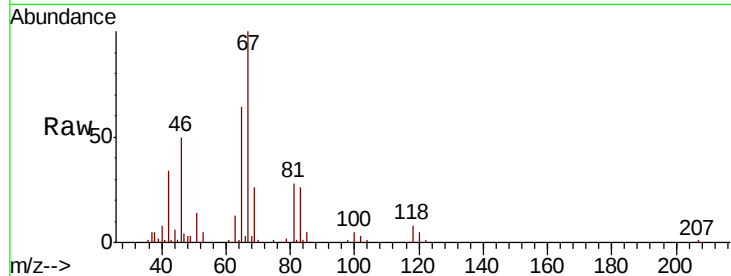




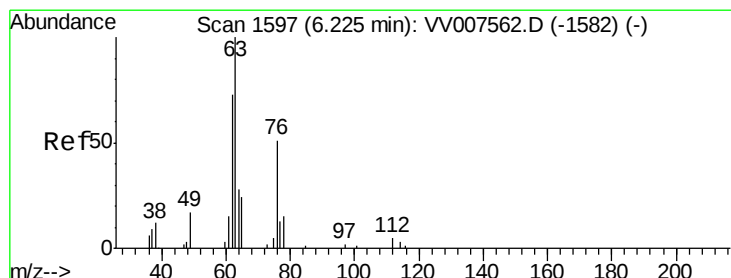
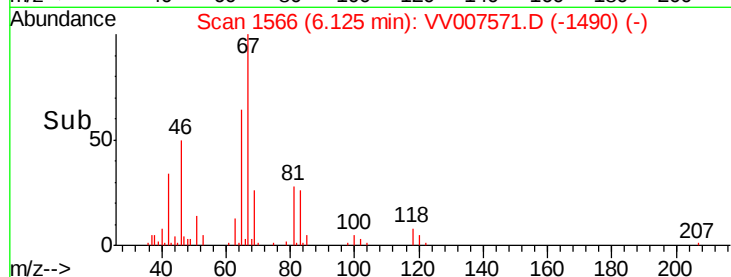
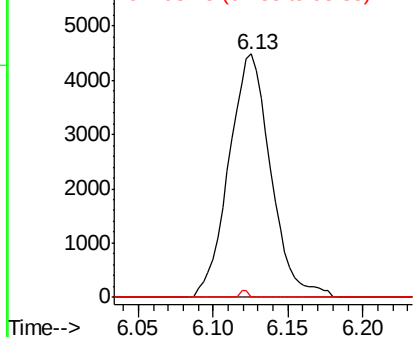
#35
Methylcyclohexane
Concen: 0.842 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV007571.D
Acq: 15 Sep 2018 17:59

Instrument :
MSVOA_W
ClientSampleId :
C0KS8

Tgt Ion: 83 Resp: 8711
Ion Ratio Lower Upper
83 100
55 0.0 55.0 82.4#
98 18.3 37.6 56.4#

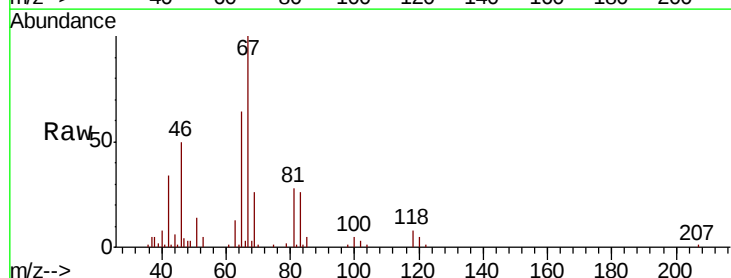


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

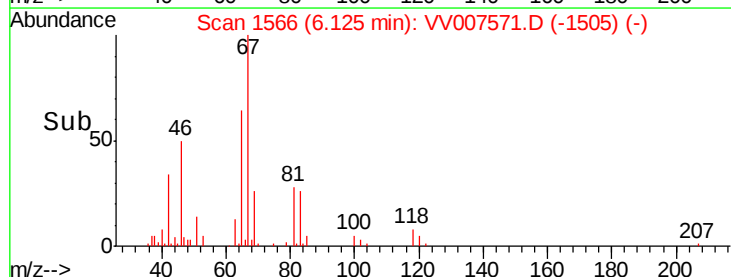
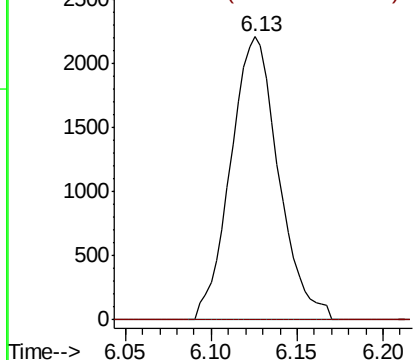


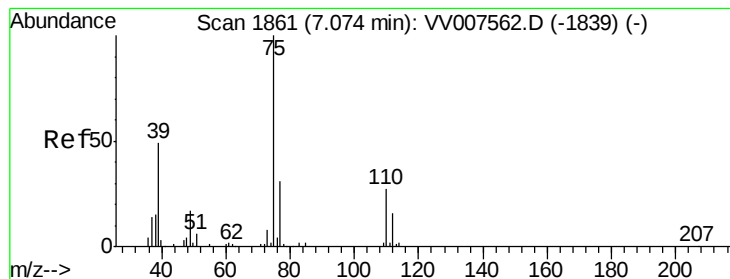
#37
1,2-Dichloropropane
Concen: 0.794 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV007571.D
Acq: 15 Sep 2018 17:59

Tgt Ion: 63 Resp: 4273
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.150 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.04 min

Lab File: VV007571.D

Acq: 15 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampled :

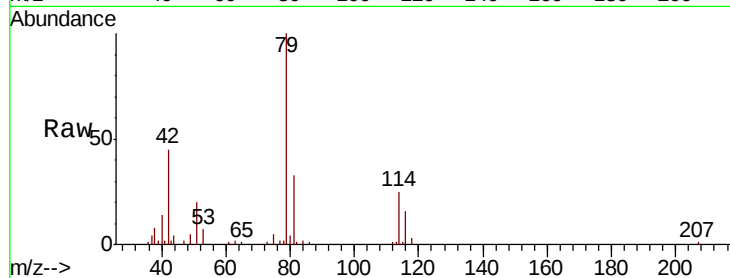
C0KS8

Tgt Ion: 75 Resp: 1282

Ion Ratio Lower Upper

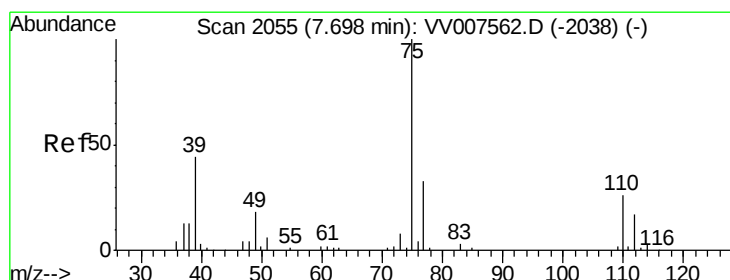
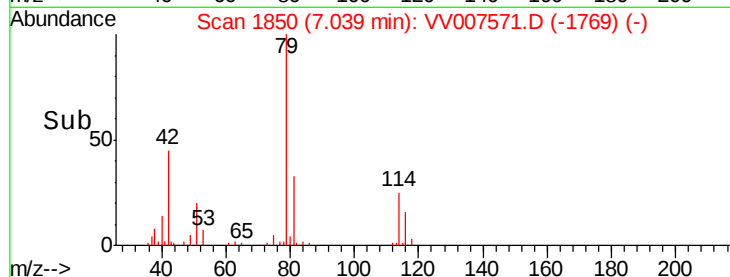
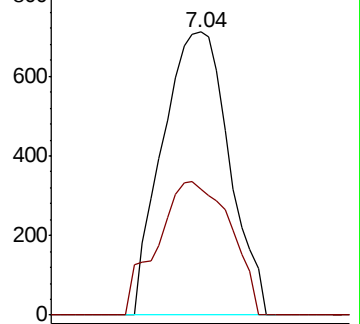
75 100

77 44.7 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007571.D

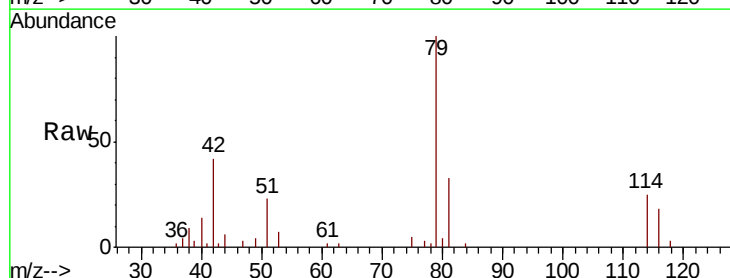
Acq: 15 Sep 2018 17:59

Tgt Ion: 75 Resp: 564

Ion Ratio Lower Upper

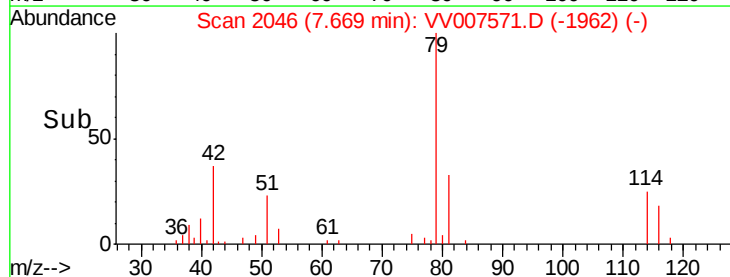
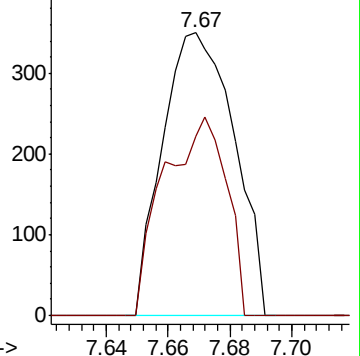
75 100

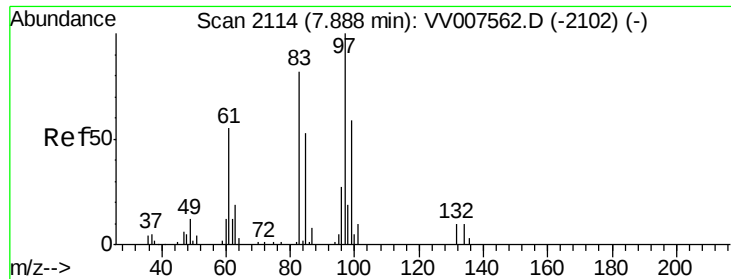
77 63.4 23.4 43.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

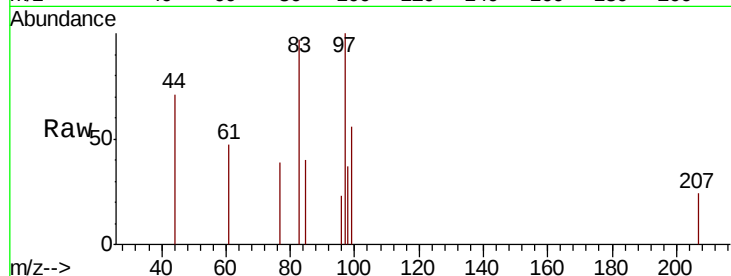




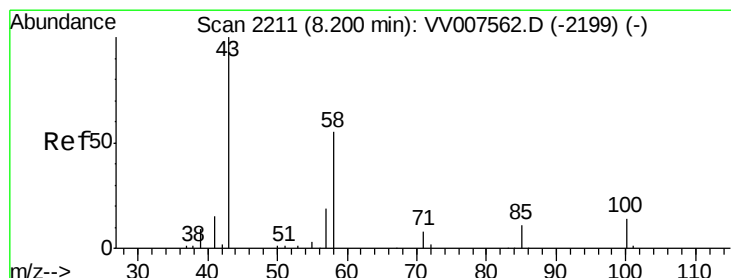
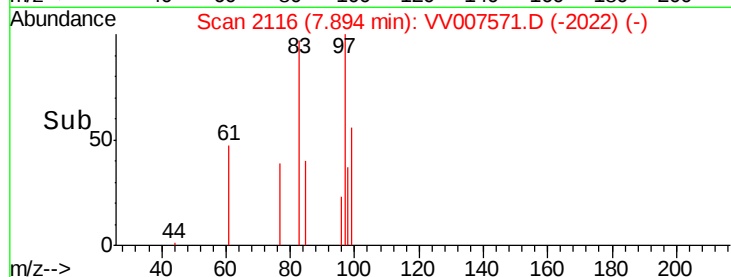
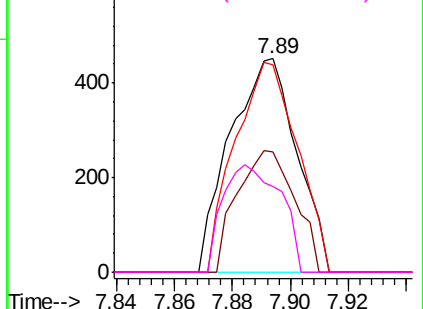
#45
 1,1,2-Trichloroethane
 Concen: 0.179 ug/L
 RT: 7.89 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 C0KS8

Tgt Ion:	97	Resp:	718
Ion	Ratio	Lower	Upper
97	100		
99	56.4	42.9	79.7
83	97.1	58.1	107.9
85	39.8	38.3	71.1

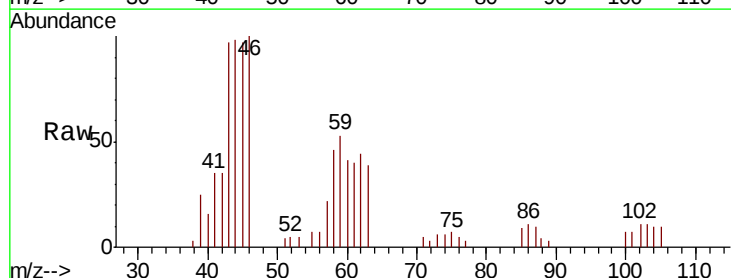


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

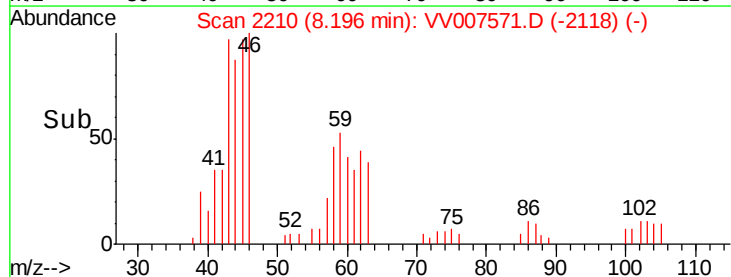
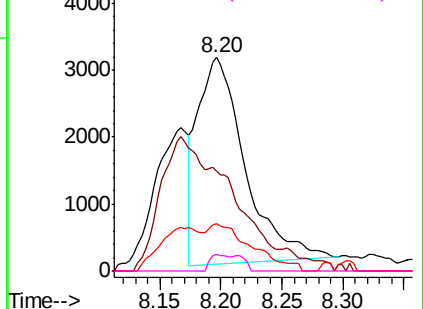


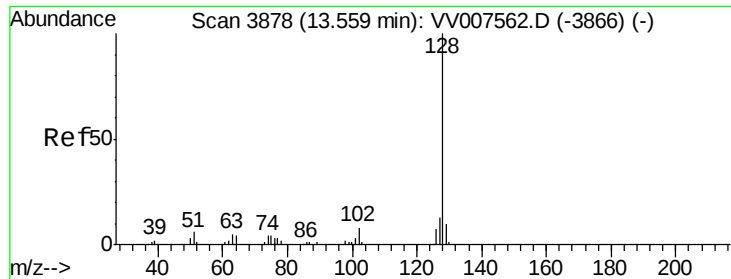
#48
 2-Hexanone
 Concen: 3.710 ug/L
 RT: 8.20 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VV007571.D
 Acq: 15 Sep 2018 17:59

Tgt Ion:	43	Resp:	8369
Ion	Ratio	Lower	Upper
43	100		
58	0.0	49.8	74.6#
57	20.9	18.2	27.4
100	3.5	11.0	16.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 57.20 (56.90 to 57.90): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#69

Naphthalene

Concen: 0.356 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007571.D

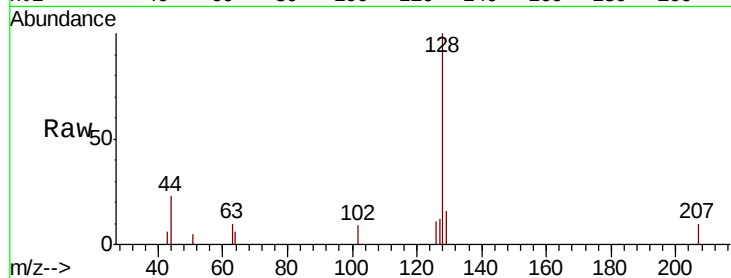
Acq: 15 Sep 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

C0KS8



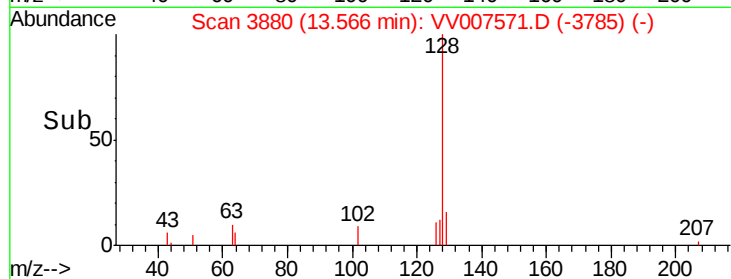
Tgt Ion:128 Resp: 3356

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 9.6 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

2500 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

